Lafayette Fire Department
443 North 4th Street
Lafayette, IN 47901
Ph- 765.807.1300
Fax- 765.807.1307

COMMERCIAL COOKING EQUIPMENT SUPPRESSION SYSTEM WORKSHEET

Two copies of this worksheet must accompany plans submitted to the City of Lafayette Engineering Department for application to receive a local building permit. The worksheet needs to be completed in its entirety, and is required to assist the plan reviewer in efficiently reviewing plans and issuing permits in a timely manner. LFD will keep this document as part of the permanent project file and will use it to verify code compliance. The applicant needs ***(Owner/Occupant or System Designer)*** to sign and date the document and is responsible for assuring the accuracy and consistency of the information provided. **Plans for the kitchen hood, duct, and fan (and associated worksheet) must be submitted prior to obtaining kitchen hood building permit.**

PROJECT INFORMATION	
Business Name	
Address	
Phone Number	
Email	
New or Existing Restaurant?	
New or Existing Hood?	

Owner/Occupant

Printed Name: _____
Signature: _____
Address: _____
Phone Number: _____
Email : _____

System Designer

Printed Name: _____
Signature: _____
Address: _____
Phone Number: _____
Email : _____

System Installer

Name: _____
Address: _____
Phone Number: _____
Email : _____

Manufacturer of System

Model Number of System : _____
Name: _____
Address: _____
Phone Number: _____
Email : _____

DESIGN REQUIREMENTS FOR SUPPRESSION SYSTEM(s)

1. System designed to meet:

☐ NFPA 17A Standard-2002 Edition (Wet Chemical Extinguishing Systems- UL 300)

☐ NFPA 17 Standard-2002 Edition (Dry Chemical Extinguishing Systems)

☐ NFPA 13 Standard-1999 Edition- (4-9 Commercial Type Cooking Equipment & Ventilation)

2. Qualifications to Design System:

Yes	No	N/A	
☐	☐	☐	Documentation provided by manufacturer included in application or on file that certifies designer has acquired instruction necessary to safely design **Pre-Engineered Wet Chemical Systems** (NFPA 17A)?
☐	☐	☐	Documentation provided by manufacturer included in application or on file that certifies designer has acquired instruction necessary to safely design **Dry Chemical Systems** (NFPA 17)?
☐	☐	☐	Stamp of a "registered designer professional" or certification of "NICET Level III or IV Technician" included in application for the design of the **Automatic Fire Sprinkler System (**NFPA 13**)?**

3. Qualifications to Install System:

Yes	No	N/A	
☐	☐	☐	Documentation provided by manufacturer included in application or on file that certifies installer has acquired instruction necessary to safely install **Pre-Engineered Wet Chemical Systems** (NFPA 17A)?
☐	☐	☐	Documentation provided by manufacturer included in application or on file that certifies installer has acquired instruction necessary to safely install **Dry Chemical Systems** (NFPA 17)?

4. Drawings submitted with the following:

Yes	No	
☐	☐	Type and Location of Appliance(s)
☐	☐	Means to insure Appliances correctly positioned (17A 5.6.4)
☐	☐	Fuel Type (Electric/Gas)
☐	☐	Fuel Gas Piping Size and Location
☐	☐	Location of Fuel Shut Off Devices
☐	☐	- Microswitch Device(s)
☐	☐	- Mechanical or Electrical Gas Valve(s)
☐	☐	Manual Pull Locations
☐	☐	Location of Actuation Control Box
☐	☐	Chemical Container Location
☐	☐	Nozzle Location and Piping

Yes **No**

☐ ☐ Automatic Detection System
- Fusible Link(s) and/or Heat Detector(s)

Fusible Link Identification: *provided in accordance with mfg instructions*

☐ Number of 165° Links: ____ ☐ Number of 360° Links:____ ☐ Number of 500° Links:_____
☐ Number of _____ ° Links: ____

5. Manufacturer of Pre-Engineered System(s):

☐ Ansul Model: _____
☐ Amerex Model: _____
☐ Pyro-Chem Model: _____
☐ RangeGuard Model: _____
☐ Other Pre-Engineered System _____

6. Design and Capacities of Suppression System:

Yes **No**

☐ ☐ Chemical Agent Container Size/Capacity (gallons/pounds)?
☐ ☐ Shall be in accordance with manufacturer's instructions?
☐ ☐ Designed on the basis of the flow and extinguishing characteristics of the chemical agent?
☐ ☐ Nozzles (nodes) shall be placed in accordance with manufacturer's instructions?

7. Suppression System Agent Container Location:

Yes **No**

☐ ☐ Shall be readily accessible for inspection?
☐ ☐ Located not more than 8 feet above the floor?

8. Portable Fire Extinguishers provided:

Yes **No**

☐ ☐ Class K "portable" fire extinguisher(s) for wet chemical systems (UL 300)?
☐ ☐ Class 40 B:C "portable" fire extinguisher(s) for dry chemical systems?
☐ ☐ Portable Extinguisher "placard" or sign must be placed near the extinguisher that states the "automatic fire extinguishing system shall be activated **prior to** using the portable fire extinguisher"

9. System Actuation provided with:

Yes **No**

☐ ☐ **Both** Automatic and Manual Activation?
☐ ☐ **Both** Automatic and Manual Activation shall activate the Fire Alarm System (***when applicable)***?

Automatic Activation: provided in accordance with mfg instructions. At least one (1) fusible link or heat detector shall be installed:

Yes	No	
☐	☐	within 12 inches of each exhaust duct opening?
☐	☐	at each branch "duct-to common duct" opening?

Manual Activation: provided (Pull Station) in accordance with mfg. instructions, for each individual system, and be located at or near egress from the cooking area:

Yes	No	
☐	☐	minimum of 10 feet and a maximum of 20 feet from the kitchen exhaust system, and not less than 42 inches or more than 48 inches above the floor?
☐	☐	provided with signage that clearly identifies system (zone) coverage?
☐	☐	shall require a maximum force of 40 lbs?
☐	☐	shall require a maximum movement of 14 inches (or per mfg. instructions)?

10. "Automatic" Shutoff Devices:

Yes	No	
☐	☐	All sources of fuel and electric power that produce heat to appliances under hood shall shut down upon activation of suppression system?
☐	☐	Makeup Air and/or Return Air shall shut down upon activation of suppression system?
☐	☐	Hood System Exhaust Air shall **NOT** shut down upon activation of suppression system, and must remain operational?

This example illustrates the minimum information required for plan submittal for a Type I hood fire suppression system.